

CURRICULUM VITAE

Personal Data

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Date of Birth: -----

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Education

- 1993 Connecticut State Medicine License (License -----)
- 1984 Educational Commission for Foreign Medical Graduates (ECFMG) Certification
- 1981 Board Certified in Diabetology and Metabolic Disorders, Universita' di Medicina e Chirurgia, Division of Metabolism, Naples, Italy
- 1978 Laurea summa cum laude in Medicine, Universita' di Medicina e Chirurgia, Secondo Policlinico, Naples, Italy
- 1971 "High School Degree," Istituto Sacro Cuore, Naples, Italy

Professional and Research Experience

- 1999-present Associate Clinical Professor in the Pediatric Nurse Practitioner Specialty
- July 1996-present Associate Professor, Division of Endocrinology, Pediatrics, Yale University School of Medicine, New Haven, CT
- 1991-1996 Research Scientist, Division of Endocrinology, Pediatrics, Yale School of Medicine, New Haven, CT

1989-1991	Associate Research Scientist, Division of Endocrinology, Pediatrics, Yale School of Medicine, New Haven, CT. Career Development Award from the Juvenile Diabetes Foundation International.
1987-1989	Postdoctoral fellowship from the Juvenile Diabetes Foundation International, Division of Endocrinology and Pediatrics, Yale School of Medicine, New Haven, CT; under the direction of Professors R.S. Sherwin and W.V. Tamborlane.
1985-1987	Postdoctoral Fellow, Division of Endocrinology and Pediatrics, Yale University School of Medicine, New Haven, CT; under the direction of Professors Robert S. Sherwin and William Tamborlane.
1981-1983	Research Fellow, General Clinical Research Center, Temple University Hospital, Philadelphia, PA: under the direction of Professor Oliver E. Owen.
1980	Resident, Department of Internal Medicine, Ospedale Cardarelli, Naples, Italy; under the direction of Professor Vittorio Galloro.
1978-1980	Medical Resident, Department of Internal Medicine, Division of Metabolism, Universita' di Medicina e Chirurgia, Naples, Italy; under the direction of Professor Mario Mancini.

Scholarships and Academic Honors

2001-2005	NIH K24 Mid-career Investigator Award for Patient-oriented Research
1989-1992	Career Development Award from the Juvenile Diabetes Foundation International.
1987-1989	Postdoctoral Fellowship from the Juvenile Diabetes Foundation International.
1981-1982	Scholarship from the "Hoechst Foundation"
1982	Scholarship from the "Italian Diabetes Foundation"
1983	"Sol Sherry" Award for clinical research. Temple University Hospital, Philadelphia, PA.
1982	Travel grant from the American Diabetes Association (ADA) and from the International Diabetes Foundation (IDF)

Society Membership:

American Diabetes Association (ADA)
European Association for the Study of Diabetes (EASD)
International Diabetes Foundation (IDF)
North American Association Study Obesity (NAASO)
Society for Pediatric Research

Abstracts

1. Riccardi G, A Rivelles, G Caiazzo **S Caprio**, B Capaldo, M Mancini. Effect of weight reduction on glucose and insulin response in diabetes. V International Meeting of Endocrinology, Marseilles, 1978.
2. **Caprio S**, B Capaldo, G Riccardi, A Rivelles, M Mancini. Capacita' Beta-secretiva nel diabete di tipo I. 2nd Corso di Aggiornamento Diabetologico, Messina 13-14 June, 1980.
3. Capaldo B, A Falanga, P Rubba, **S Caprio**, M Mancini. Hypertriglyceridemia and low lipoprotein lipase activity (LLA) in young diabetes with ketosis. 16th Annual European Meeting of Diabetes, Athens, September 24-27, 1980.
4. **Caprio S**, TK Ray, G Boden, R Smith, M Mozzoli, R Hoeldtke, C Shuman, OE Owen. Mebendazole increases insulin secretion in diabetic patients. 42nd Annual Meeting of American Diabetes Association, June 13-15, 1982.
5. **Caprio S**, TK Ray, G Boden, R Smith, M Mozzoli, R Hoeldtke, C Shuman, OE Owen. Mebendazole increases insulin secretion. XI Congress of the I.D.F., Kenia, November 10-17, 1982.
6. Owen OE, E Kavle, RS Owen, M Polansky **S Caprio**, ML Schmidt, MA Mozzoli, ZV Kendrick, MC Bushman, G Boden. A reappraisal of caloric requirements in healthy women. XII Congress of the I.D.F., Spain, September, 1985.
7. **Caprio S**, SA Amiel, R Gelfand, W Tamborlane, RS Sherwin. Small increments in insulin produce marked but transient changes in body fuel oxidation in humans. *Diabetologia* 29:79, 1986.
8. Press M, **S Caprio**, M Haymond, W Tamborlane. Lack of metabolic effect of growth hormone (GH) 36 hours after injection. *Pediatric Research*, Vol 20, No 4, Part 2, April 1987.
9. **Caprio S**, S Amiel, W Tamborlane, R Gelfand, R Sherwin. Defective suppression of lipolysis by insulin in Type 1 diabetes. Impact on oxidative fuel metabolism during hypoglycemia. *Diabetes* 13A:52, 1987.
10. Plewe G, **S Caprio**, M Diamond, R Sherwin, R Jacobs, W Tamborlane. Puberty accentuates glucose-stimulated insulin secretion: studies with the hyperglycemic clamp technique. *Pediatric Research*, Vol 23, No 4, part 2, 394A, 1159, 1988.
11. **Caprio S**, M Press, T Carpenter, R Sherwin, G Plewe, W Tamborlane. Insulin resistance and hyperinsulinemia: characteristic feature of Turner's syndrome. *Pediatric Research*, Vol 23, No 4, part 2, 237A, 435, 1988.
12. **Caprio S**, W Tamborlane, RS Sherwin. Free fatty acids regulate the metabolic fate of glucose during hypoglycemia. *Diabetes* 37:11A, 41, 1988.

13. **Caprio S**, W Tamborlane, S Amiel, R Gelfand, RS Sherwin. Defective oxidative fuel metabolism in Type 1 diabetes during hypoglycemia: implications of its reversal by intensive therapy. *Diabetologia*. Sept 5-8, Paris, 1988.
14. **Tamborlane WV, S Caprio**, M Press, T Carpenter, G Plewe, R Sherwin. Insulin resistance and compensatory hyperinsulinemia in Turner's syndrome. *Diabetologia*. Sept 5-8, Paris, 1988.
15. Amiel S, **S Caprio**, G Plewe, RS Sherwin, M Haymond, R Jacobs, W Tamborlane. Insulin resistance in puberty is specific to carbohydrate metabolism. *British Diabetes Assoc*, London, April 21-23, 1988.
16. Amiel S, **S Caprio**, G Plewe, R Sherwin, M Haymond, R Jacobs, W Tamborlane. Insulin resistance in puberty: a defect restricted to glucose metabolism. *Diabetes* 37:73A, 190, 1988.
17. **Caprio**, G Gerety, M Diamond, WV Tamborlane, RS Sherwin. Naloxone enhances the hepatic response to hypoglycemia in diabetics with defective counterregulation. *Diabetes* 38:4A, 1989.
18. **Jones TW, S Caprio**, SD Boulware, HA Pearson, PA Merkel, RS Sherwin, WV Tamborlane. Early intervention with glyburide reverses abnormal insulin response in iron-overloaded patients with thalassemia major. *Pediatric Research* Vol 25, No 4, part 2, 200A:1182, 1989.
19. **Jones TW**, DT Kraemer, S Boulware, **S Caprio**, S Amiel, RS Sherwin, WV Tamborlane. Responses to hypoglycemia in children: alterations in counterregulatory hormone responses and functional consequences. *Pediatric Research*, Vol 25, No 4, part 2, 200A:1183, 1989.
20. **Jones TW**, G McCarthy, WV Tamborlane, **S Caprio**, T Allison, DT Kraemer, K Zych, E Roessler, S Boulware, RS Sherwin. Mild hypoglycemia suppresses brainstem responses in normal humans. *Diabetologia* 32:500A, 234, 1989.
21. Jones TS, **S Caprio**, S Boulware, RS Sherwin, WV Tamborlane. Oral glucose provokes excessive adrenomedullary and symptomatic responses in normal children. *Pediatr Res* 27:190A, 1990.
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23. Jones TW, **S Caprio**, S Boulware, PA Pearson, PA Merkel, RS Sherwin, WV Tamborlane. Long term glyburide therapy corrects hyperinsulinemia in nondiabetic patients with thalassemia major (TM). *Pediatr Res* 27:144A, 1990.
24. Diamond MP, EA Reece, **S Caprio**, T Jones, DT Kraemer, SA Amiel, N DeGennaro, A Gill, M Addabbo, RS Sherwin, WV Tamborlane. Suppressed anti-insulin counterregulatory responses to hypoglycemia in pregnant, intensively treated insulin dependent diabetics. *Society for Gynecologic Investigation*. March, 1990.
25. Boulware SD, TW Jones, **S Caprio**, RS Sherwin, WV Tamborlane. Influence of diabetes control on vulnerability to neuroglycopenia. *Pediatr Res* 29:191A, 1991.

26. **Caprio S**, WV Tamborlane, K Zych, M Diamond, TW Jones, RS Sherwin. Defective glucagon response to amino acids during hypoglycemia in insulin-dependent diabetes (IDD). *Diabetes* 40:71A, 1991.
27. **Diamond M**, TW Jones, **S Caprio**, L Hallermann, M Connolly-Howard, K Zych, WK Vaughn, WV Tamborlane, RS Sherwin. Gender: a determinant of the adrenergic response to hypoglycemia. *Diabetes* 40:27A, 1991.
28. **Rennert NJ**, **S Caprio**, RS Sherwin. Insulin-like growth factor I inhibits glucose stimulated insulin secretion but does not impair glucose metabolism in humans. *Endo Soc, San Antonio*, 1992.
29. **Caprio S**, S Boulware, G Cline, RS Sherwin, WV Tamborlane. Insulin resistance of puberty and diabetes impairs insulin action on protein metabolism during adolescence. *Pediatr Res* 31:183A, 1992.
30. **Caprio S**, LD Hyman, S McCarthy, L Devine, RS Sherwin, WV Tamborlane. Effects of obesity and abdominal fat distribution on insulin secretion and insulin action in childhood. *Pediatr Res* 31:183A, 1992.
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32. **Caprio S**, S Amiel, SD Boulware, WV Tamborlane. Insulin resistant syndromes in children. Xth International Symposium on Endocrinology and Development. Venice, Oct 1-4, 1992.
33. **Maggs D**, P Leone, **S Caprio**, N Rennert, R Jacob, F Rife, HJ During, RS Sherwin. Extracellular glucose levels in muscle and fat of healthy subjects during hypoglycemia. *Diabetologia* 36(Suppl 1):A18, 1993.
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35. **Caprio S**, LD Hyman, SC McCarthy, RC Lange, L Devine, RS Sherwin, WV Tamborlane. Effects of obesity and abdominal fat distribution on insulin secretion and action in childhood. *Diabetologia* (Suppl 1):A148, 1993.
36. **Caprio S**, C Limb, RS Sherwin, F Rife, T O'Dorisio, WV Tamborlane. The hyperglycemic clamp + oral glucose: a novel method for assessing the role of gut factors (incretins) on insulin secretion in young subjects. *Pediatr Res* 1191:201A, 1994.
37. **Caprio S**, L Hyman, S McCarthy, R Lange, WV Tamborlane. Early expression of central adiposity and its metabolic correlates in overweight adolescent girls. *Diabetes* (Suppl 1) 54A:172, 1994.

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39. **Caprio S**. M Bronson, RS Sherwin, WV Tamborlane. Severe insulin resistance and hyperinsulinemia co-exist early in the evolution of juvenile obesity. San Diego Pediatric Research, 1995.
40. Maggs DG, **S Caprio**, R Jacob, M During, RS Sherwin, WV Tamborlane. Skeletal muscle: a site of significant lipolysis in healthy adolescents. *Pediatr Res*, 1995.
41. Maggs DG, G Robinson, RS Sherwin, RS Sherwin, WV Tamborlane, **S Caprio**. Insulin resistance in obese adolescence: the role of intramuscular lipolysis. *Obesity Res* 3 (Suppl 3):396S, 1995.
42. **Caprio S**. Insulin action and secretion during the evolution of childhood obesity. Workshop on Prevention and Treatment of Childhood Obesity: Research Directions. September 11:2, 1995. NIH, Bethesda, MD.
43. Maggs D, C Robinson, F Rife, WV Tamborlane, **S Caprio**. Abnormalities of lipid metabolism in human skeletal muscle parallel defects in glucose utilization in childhood models of insulin resistance. *Diabetes* 45 (Suppl 2):932, 1996.
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45. **Caprio S**, N Attia, R Heptulla, A Grozman, RS Sherwin, WV Tamborlane. Circulating levels of total and free insulin like growth factors (IGF₁) and binding protein 1 and 2 (IGFBP1 and 2) in lean and obese adolescents: relationships to insulin. *Obesity Res* 5 (Suppl 1), 5S, 1997.
46. **Caprio S**, Savoye M, DeStefano R, Bronson M, Lavietes S, Silver D, Tamborlane W. Importance of low plasma leptin levels in predicting weight gain in obese children: a 3-year longitudinal study. *Int J of Obesity* S201:394, 1998.
47. Heptulla RA, Tamborlane WV, Teague BA, Silver D, Talbot M, Grozman R, Sherwin RS, **Caprio S**. Circadian rhythm in plasma leptin: a function of gender rather than adiposity in adolescence. *Int J of Obesity* S164:255, 1998.
48. Heptulla RA, Attia N, Bronson M, **Caprio S**. Childhood obesity accentuates alimentary stimulation of insulin secretion despite similar gut hormone responses. *Diabetes* 47:A320, 1239, 1998.
49. Trojanoski Z, Heptulla R, Sherwin R, Maggs D, **Caprio S**. *In vivo* assessment of leptin, FFA and TNF α concentrations in adipose interstitial fluid in lean and obese women. *Diabetes* 47 (Suppl 1):A309, 1198, 1998.

50. Heptulla R, Tamborlane WV, Cavaghan M, Bronson M, Limb C, Ma YZ, Sherwin RS, **Caprio S.** Augmentation of alimentary insulin secretion despite similar gut hormone responses in juvenile obesity. *Obesity Results of blood and lab studies were discussed with the patient.* 7 (Suppl 1):325, 053, 1999.
51. Enoksson S, Talbot M, Rife F, Tamborlane WV, **Caprio S.** Impaired stimulation of lipolysis by selective B₁ and B₂ adrenergic agonists in obese adolescent girls: an *in vitro* microdialysis study. *Obesity Res* 7 (Suppl 295):047, 1999.
52. Bandini L, Must A, Padano JS, **Caprio S**, Ross R, Janssen I, Dietz W. Relationship between visceral fat, sex hormone levels and activity in girls at menarche. *Obesity Res* 7 (Suppl 1):S75, 0158, 1999.
53. Enoksson S, Talbot M, Tamborlane WV, Sherwin RS, **Caprio S.** Impaired stimulation of lipolysis by selective β₂-adrenergic agonist in obese adolescent girls *in vivo*. *Ped Res* 47:5A, 24, 2000.
54. Sinha R, Dufour S, Petersen K, Tamborlane W, Rife F, Sherwin R, Shulman G, **Caprio S.** Assessment of intramyocellular triglyceride content by ¹H-NMR spectroscopy in non-diabetic adolescents: relationships to total body fat and insulin sensitivity. *Ped Res* 47:4, 139A, 2000.
55. Heptulla R, Steward A, **Caprio S**, Enoksson S, Rife F, Yong-Znan MA, Sherwin R, Tamborlane W. *In situ* evidence that insulin resistance in adolescents with poorly-controlled Type 1 diabetes is related to impaired suppression of lipolysis; a microdialysis study. *Ped Res* 47:131A, 773, 2000.
56. Sinha R, Tamborlane W, Dziura J, Rieger V, Coraluzzi L, Teague B, **Caprio S.** High prevalence of impaired glucose tolerance and hypertriglyceridemia in childhood obesity: is it not time for intervention? *Diabetes* (Suppl 1) 49:A41, 168, 2000.
57. **Caprio S**, Sherwin R, Evans K, Belous A, Tamborlane W. Early phase insulin secretion is normal in obese adolescents with impaired glucose tolerance (IGT). *Diabetes* (Suppl 1):50:A55, 224, 2001.
58. Weiss R, Dufour S, Petersen KF, Taksali SE, Shulman G, **Caprio S.** Increased intramyocellular lipid content in obese adolescents with impaired glucose tolerance. *Diabetes* (Suppl 2):51:A68, 279, 2002.

Publications

1. **Caprio S**, B Capaldo, C Riccardi, A Rivellese, PL Mattioli, M Mancini. Valutazione della residua funzionalita' beta-insulare nei diabetici Giovanili all'insorgenza e durante remissione parziale. *Gionale Italiano di Diabetologia* 1:213-218, 1981.
2. Giuliani B, T Longobardi R, Grassi, S Pignalosa, O Vaccaro, **S Caprio**, B Capaldo, N Perrotti. Difficoltà nel trattamento ambulatoriale di pazienti diabetici. *Experienza de Collaborazione fra Diabetologi e Psichiatri. Ricerca Medica* n 4, pp 49-63, 1981.
3. **Caprio S**, TK Ray, G Boden, GA Reichard, CR Shuman, RH Smith, M Mozzoli, VK Dayal, R Hoeldtke, OW Owen. Improvement of metabolic control in diabetic patients during mebendazole administration. Preliminary studies. *Diabetologia* 27:52-55, 1984.
4. Owen EO, R Smith, **S Caprio**, M Mozzoli, AK Rao, G Litwack, TK Ray, G Boden. Mebendazole and insulin secretion from isolated islets. *Metabolism* 34:567-570, 1985.
5. Annuzzi G, O Vaccaro, **S Caprio**, P DiBonito, P Caso, G Riccardi, A Rivellese. Association between low habitual physical activity and impaired glucose tolerance. *Clinical Physiology* 5:63-70, 1985.
6. Owen OE, E Kavle, RS Owen, M Polansky, **S Caprio**, ML Schmidt, MA Mozzoli, ZV Kendrick, MC Bushman, G Boden. A reappraisal of caloric requirements in healthy women. *Amer J Clin Nutr* 44:1-19, 1986.
7. **Caprio S**, L Saccà, W Tamborlane, RS Sherwin. Relationship between changes in glucose production and gluconeogenesis during mild hypoglycemia in humans. *Metabolism* 37, No 8 (August):707-710, 1988.
8. **Caprio S**, R Gelfand, W Tamborlane, RS Sherwin. Oxidative fuel metabolism during mild hypoglycemia: critical role of free fatty acids. *Am J Physiol* 256:E413-E419, 1989.
9. **Caprio S**, G Plewe, MP Diamond, D Simonson, S Boulware, RS Sherwin, WV Tamborlane. Increased insulin secretion in puberty: a compensatory response to reductions in insulin sensitivity. *J Pediatrics* 114:963-967, 1989.
10. **Caprio S**, S Amiel, WV Tamborlane, RA Gelfand, RS Sherwin. Defective free fatty acid and oxidative glucose metabolism in Type I diabetes during hypoglycemia: influence of glycemic control. *Diabetes* 39:134-141, 1990.
11. Jones TW, G McCarthy, WV Tamborlane, **S Caprio**, E Roessler, D Kraemer, K Zych, T Allison, S Boulware, RS Sherwin. Mild hypoglycemia alters brainstem and cortical evoked potentials in normal subjects. *Diabetes* 39:1550-1555, 1990.
12. Amiel A, **S Caprio**, RS Sherwin, G Plewe, WM Haymond, WV Tamborlane. Insulin resistance of puberty: a defect restricted to peripheral glucose metabolism. *J Clin Endocrinol Metab* 72:277-282, 1991.

13. **Caprio S, S Boulware, M Diamond, K Reuben, S Amiel, M Press, RS Sherwin, WV Tamborlane.** Insulin resistance: an early defect of Turner syndrome. *J Clin Endocrinol Metab* 172:832-836, 1991.
14. Jones TW, SD Boulware, D Kraemer, **S Caprio, RS Sherwin, WV Tamborlane.** Independent effects of youth and poor diabetes control on response to hypoglycemia in children. *Diabetes* 40:358-363, 1991.
15. **Caprio S, G Gerety, WV Tamborlane, TW Jones, M Diamond, R Jacob, RS Sherwin.** Opiate blockade enhances hypoglycemic counterregulation in control and insulin-dependent diabetic subjects. *Am J Physiol* 260:E852-E858, 1991.
16. Jones TW, **S Caprio, MP Diamond, L Hallermann, SD Boulware, RS Sherwin, WV Tamborlane.** Does insulin species *per se* modify counterregulatory hormone responses to hypoglycemia? *Diabetes Care* 14:728-731, 1991.
17. Diamond MP, EA Reece, **S Caprio, TW Jones, S Amiel, N DeGennaro, A Gill, M Addabbo, RS Sherwin, WV Tamborlane.** Impairment of counterregulatory hormone responses to hypoglycemia in pregnant women with insulin-dependent diabetes mellitus. *Am J Obstetrics and Gyn* 166:70-77, 1992.
18. **Caprio S, S Boulware, M Press, K Rubin, T Carpenter, G Plewe, RS Sherwin, WV Tamborlane.** Effect of growth hormone treatment on hyperinsulinemia in turner syndrome. *J Pediatrics* 120:238-243, 1992.
19. Press M, **S Caprio, WV Tamborlane, R Bhushan, MD Thorner, W Valle, J Rivier, RS Sherwin.** Pituitary response to growth hormone releasing hormone in insulin-dependent diabetes: abnormal responses to insulin and hyperglycemia. *Diabetes* 41:17-21, 1992.
20. **Caprio S, RD Napoli, L Saccà, WV Tamborlane, RS Sherwin.** Impaired stimulation of gluconeogenesis during prolonged hypoglycemia in intensively-treated insulin diabetic subjects. *J Clin Endocrinol Metab* 75:1076-1080, 1992.
21. Rennert NJ, **S Caprio, RS Sherwin.** Insulin-like growth factor 1 inhibits glucose-stimulated insulin secretion but does not impair glucose metabolism in normal humans. *J Clin Endocrinol Metab* 76:804-806, 1993.
22. **Caprio S, WV Tamborlane, K Zych, K Gerow, RS Sherwin.** Loss of the potentiating effect of hypoglycemia on the glucagon response to hyperaminoacidemia in insulin-dependent diabetes. *Diabetes* 42:550-555, 1993.
23. **Caprio S, SD Boulware, WV Tamborlane.** Growth hormone and insulin interactions. *Horm Res* 38 (Suppl 2):47-49, 1993.
24. Diamond MP, Jones TW, **S Caprio, L Hallermann, MC Diamond, M Addabbo, WV Tamborlane, RS Sherwin.** Gender influences counterregulatory hormone responses to hypoglycemia. *Metabolism* 42:1568-1572, 1993.

25. Jones TW, SD Boulware, **S Caprio**, P Merkel, SA Amiel, HA Pearson, RS Sherwin, WV Tamborlane. Correction of hyperinsulinemia by glyburide treatment in nondiabetic patients with thalassemia major. *Pediatr Res* 33:497-500, 1993.
26. **Caprio S**, SA Amiel, P Merkel, WV Tamborlane. Insulin resistant syndromes in children. *Hor Res* 39 (Suppl 3):112-114, 1993.
27. **Caprio S**, G Cline, S Boulware, C Permanente, RS Sherwin, G Shulman, WV Tamborlane. Effects of puberty and diabetes on the metabolism of insulin-sensitive fuels. *Am J Physiol* 266:E885-E891, 1994.
28. **Caprio S**, LD Hyman, C Limb, S McCarthy, R Lange, RS Sherwin, G Shulman, WV Tamborlane. Central adiposity and its metabolic correlates in obese adolescent girls. *Am J Physiol* 269 (Endocrinol Metab 32):E118-126, 1995.
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30. **Caprio S**, M Bronson, RS Sherwin, F Rife, WV Tamborlane. Coexistence of severe insulin resistance and hyperinsulinemia early in the evolution of juvenile obesity. *Diabetologia* 39:1489-1497, 1996.
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32. **Caprio S**, WV Tamborlane, D Silver, C Robinson, R Leibel, S McCarthy, A Grozman, A Belous, D Maggs, R Sherwin. Hyperleptinemia: an early manifestation of juvenile obesity: relations to body fat depots and insulin concentration. *Am J Physiol* 271:E636-E630, 1996.
33. Limb C, WV Tamborlane, RS Sherwin, F Rife, R Pederson, T O'Dorisio, **S Caprio**. Acute incretin response to oral glucose associated with stimulation of gastric inhibitory polypeptide (GIP), not glucagon-like peptide (GLP₁) in young subjects. *Pediatr Res* 41:364-367, 1997.
34. Maggs DG, R Jacob, F Rife, **S Caprio**, WV Tamborlane, RS Sherwin. Counterregulation in peripheral tissues: effect of systemic hypoglycemia on levels of substrates and catecholamines in human skeletal muscle and adipose tissue. *Diabetes* 46:70-76, 1997.
35. Jacob RS, J Dziura, MB Medwick, P Leone, **S Caprio**, G Shulman, RS Sherwin. The effect of leptin is enhanced by micro-injection into the ventromedial hypothalamus. *Diabetes* 46:150-152, 1997.
36. Heptulla R, SD Boulware, **S Caprio**, D Silver, RS Sherwin, WV Tamborlane. Decreased insulin sensitivity and compensatory hyperinsulinemia after six months of growth hormone treatment in children treated for short stature. *J Clin Endocrinol Metab* 82:3234-3238, 1997.
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40. **Caprio S**. Relationship between abdominal visceral fat and metabolic risk factors in obese adolescents. Am J Hum Biol 11:259-266, 1999.
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44. **Caprio S**. Differences between African-American and white girls in the insulin-like growth factor-I and binding proteins: importance of insulin resistance and hyperinsulinemia. Editorial. J Pediatr 135:270-271, 1999.
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46. Heptulla R, Tamborlane WV, Cavephan M, Bronson M, Limb C, Ma YZ, Sherwin RS, **Caprio S**. Augmentation of alimentary insulin secretion despite similar gastric inhibitory peptide (GIP) response in juvenile obesity. Pediatric Res 47:1-6, 2000.
47. DeStefano RA, **Caprio S**, Fahey J, Tamborlane WV, Goldberg B. Changes in body composition after a 12-week aerobic exercise program in obese boys. Pediatric Diabetes 1:1-5, 2000.
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